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(54) Liquid crystal device, and display method and display system making use of it.

(57) A liquid crystal device comprises a pair of opposing substrates and a liquid crystal rendering a chiral smectic phase, disposed between said pair of substrates, wherein at least one of the substrates is provided with an alignment film comprising a polymer containing a skeleton selected from the group consisting of acetylene, phenylene, phenylenevinylene, phenylenexylidene, benzyl, phenylene sulfide, dimethylparaphenylene sulfide, thienylene, furan, selenophene, vinylpyridine, vinyl-naphthalene, vinylferrocene, vinylcarbazole, phenylene oxide, phenylene selenide, heptadiyne, benzothiophene, thiophene, pyrrole, aniline and

naphthylene. The liquid crystal device is used for a display system and effects a high contrast display without after-image.

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EUROPEAN SEARCH REPORT

Application Number

EP 91 10 3929

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	PATENT ABSTRACTS OF JAPAN vol. 012, no. 104 (P-685)6 April 1988 & JP-A-62 237 431 (CANON) 17 October 1987 * abstract *		G02F1/1337 G02F1/137
A	PATENT ABSTRACTS OF JAPAN vol. 006, no. 141 (P-131)30 July 1982 & JP-A-57 064 211 (CANON) 19 April 1982 * abstract *		
A	EP-A-0 177 271 (I.C.I.)		
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G02F
Place of search THE HAGUE		Date of completion of the search 06 AUGUST 1993	Examiner LEROY ALAIN
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons * : member of the same patent family, corresponding document			

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EUROPEAN SEARCH REPORT

Application Number
EP 99 20 3378

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Place of search THE HAGUE		Date of completion of the search 23 February 2000	Examiner Diot, P
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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